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STN Search

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(FILE 'HOME' ENTERED AT 18:04:13 ON 01 AUG 2007)

FILE 'CAPLUS' ENTERED AT 18:04:30 ON 01 AUG 2007

=> s hydrogenation catalyst
177012 HYDROGENATION
770411 CATALYST
L1 20061 HYDROGENATION CATALYST
(HYDROGENATION(W) CATALYST)

=> s 11 and palladium
169270 PALLADIUM
L2 4065 L1 AND PALLADIUM

=> s 12 and Thallium
0 THALLIUM
L3 0 L2 AND THALLIUM

=> s 12 and Thallium
52249 THALLIUM
L4 18 L2 AND THALLIUM

=> s 14 and support
492510 SUPPORT
L5 6 L4 AND SUPPORT

=> d 1-6 bib abs

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:394789 CAPLUS
DN 142:430690
TI Chemoselective hydrogenation catalyst for the removal
of acetylene from ethylene streams
IN Rokicki, Andrezej; Boyer, Jennifer A.; Blankenship, Steven A.
PA Sud-Chemie, Inc., USA
SO U.S. Pat. Appl. Publ., 6 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005096217	A1	20050505	US 2003-696749	20031029
	WO 2005044762	A1	20050519	WO 2004-US28605	20040902
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI US 2003-696749 A 20031029
AB A process for the chemoselective hydrogenation of acetylene during ethylene purification utilizing a palladium-thallium-impregnated catalyst is described.

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:654372 CAPLUS
DN 137:203008

TI Process for preparing heptafluorocyclopentane
IN Takada, Naokado; Hirotsu, Miki; Komata, Takeo
PA Nippon Zeon Co., Ltd., Japan; Central Glass Co., Ltd.
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002241325	A	20020828	JP 2001-36029	20010213
PRAI	JP 2001-36029		20010213		

AB In the hydrogenation of 1,1,2-trichloroheptafluorocyclopentane to prepare 1,1,2,2,3,3,4-heptafluorocyclopentane, the hydrogenation catalyst is group VIII metal. Hydrogenation of 1,1,2-trichloroheptafluorocyclopentane in the presence of Pd on carbon under hydrogen at 300° gave 1,1,2,2,3,3,4-heptafluorocyclopentane.

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1999:691068 CAPLUS

DN 131:288022

TI Hydrogenation method and catalysts for purifying aliphatic aminonitriles from dinitrile impurities

IN Brunelle, Jean-Pierre; Leconte, Philippe; Marion, Philippe

PA Rhodia Fiber and Resin Intermediates, Fr.

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9954285	A1	19991028	WO 1999-FR862	19990413
	W: BR, BY, CA, CN, CZ, ID, IN, JP, KR, PL, RO, RU, SG, SK, UA, US, VN RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2777562	A1	19991022	FR 1998-5044	19980416
	FR 2777562	B1	20020719		
	TW 239943	B	20050921	TW 1999-88105642	19990409
	CA 2328767	A1	19991028	CA 1999-2328767	19990413
	BR 9909686	A	20001219	BR 1999-9686	19990413
	EP 1071657	A1	20010131	EP 1999-913398	19990413
	EP 1071657	B1	20030820		
	R: BE, DE, ES, FR, GB, IT, NL				
	JP 2002512215	T	20020423	JP 2000-544626	19990413
	RU 2222525	C2	20040127	RU 2000-128719	19990413
	ES 2200514	T3	20040301	ES 1999-913398	19990413
	IN 2000DN00298	A	20070209	IN 2000-DN298	20001030
	US 6559333	B1	20030506	US 2001-673299	20010125
PRAI	FR 1998-5044	A	19980416		
	WO 1999-FR862	W	19990413		

AB A method for purifying aliphatic aminonitriles (e.g., 6-aminocapronitrile) consists in subjecting the aminonitrile to hydrogenation in the presence of a supported catalyst containing at least a metal selected from palladium, platinum, ruthenium, osmium, iridium, rhodium, and with the addition of a promoting or preconditioning agent (i.e., thiols, phosphites, trialkyl phosphates, carbon monoxide, etc.) to improve the selectivity of the hydrogenation.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1999:438756 CAPLUS

DN 131:58408

TI Preparation of a catalyst for the hydrogenation of organic functional groups

IN Didillon, Blaise; Le Peltier, Fabienne

PA Institut Francais du Petrole, Fr.

SO Fr. Demande, 13 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2770518	A1	19990507	FR 1997-13688	19971031
	FR 2770518	B1	19991210		
	US 6294696	B1	20010925	US 1998-182635	19981030
PRAI	FR 1997-13688	A	19971031		

OS MARPAT 131:58408

AB Aromatic or nonarom. aldehydes, ketones, carboxylate esters, carboxylic acids, and nitro groups (e.g., nitrobenzene) are hydrogenated to the corresponding alcs. or amines (e.g., aniline), resp., by contacting the hydrogenatable compound with hydrogen at 10-800°/0.1-10 MPa in the presence of a catalyst system containing ≥ 1 support(s) (e.g., alumina), ≥ 1 Group VIII metal(s) (e.g., Rh), and ≥ 1 element(s) chosen from Ge, Sn, Pb, Re, Ga, In, Au, Ag, and Tl which is(are) introduced into the catalyst in the form of an organometallic compound (e.g., tributyltin acetate) in an aqueous solution

L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1995:538288 CAPLUS

DN 122:268641

TI Catalysts for hydrogenation of unsaturated hydrocarbons

IN Le Peltier, Fabienne; Didillon, Blaise; Sarrazin, Patrick; Boitiaux, Jean-paul

PA Institut Francais du Petrole, Fr.

SO Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 623387	A1	19941109	EP 1994-400890	19940425
	EP 623387	B1	19980902		
	EP 623387	B2	20010816		
	R: AT, BE, DE, ES, FR, GB, GR, IT, NL				
	FR 2704865	A1	19941110	FR 1993-5554	19930506
	FR 2704865	B1	19950721		
	AT 170424	T	19980915	AT 1994-400890	19940425
	JP 07002702	A	19950106	JP 1994-94170	19940506
	JP 3548868	B2	20040728		
PRAI	FR 1993-5554	A	19930506		

AB The title catalysts, useful for the hydrogenation of alkynes, alkenes, and aromatic compds., contain a support, ≥ 1 Group VIII metal (e.g., Pd), and ≥ 1 addnl. metal (e.g., Sn, Ge, and/or W) which is introduced as an organic compound (e.g., Bu₄Sn) in a dilute solution

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1974:496794 CAPLUS

DN 81:96794

TI Catalyst for hydrogenation of organic compounds containing palladium on a support

IN Sokol'skii, D. V.; Popov, N. I.; Malkina, N. Ya.; Plakidin, V. L.; Rashevskaya, S. T.; Rostovtseva, E. V.; Palyanichko, L. G.

PA Kazakh Chemical Technological Institute

SO U.S.S.R.

From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1973, 50(47),
12.

CODEN: URXXAF

DT Patent
LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	SU 407571	A1	19731210	SU 1971-1717370	19711123
PRAI	SU 1971-1717370	A	19711123		
AB	For increased activity of a Pd [7440-05-3] catalyst, 1 of the following promoting elements was added: In [7440-74-6], Y [7440-65-5], or Tl [7440-28-0]. Preferably 5-10 weight% of promoter was used.				